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(74) Agents: WHITE, Martin, P. et al.; Kilburn & Strode, Street, London WC1N 2DD (GB).	30 Joh	n .	
(54) Title: PROTEINS INVOLVED IN THE REGULATION	ON OF	CELL-CELL ADHESION AND USES THER	EOF
(57) Abstract			
A p100 protein, which has a molecular weight of abo cell-cell adhesion.	out 100	kDa and appears to be related to p120, is invo	olved in the regulation of

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A. CLASSI IPC 6	FICATION OF SUBJECT MATTER C12N15/12 C12N15/85 C12N5/10 C12Q1/00 A61K39/395	O C07K14/47 C07K	16/18	
According to	o International Patent Classification (IPC) or to both national classi	fication and IPC		
B. FIELDS	SEARCHED			
	ocumentation searched (classification system followed by classificate CO7K C12N C12Q A61K	tion symbols)		
Documentat	on searched other than minimum documentation to the extent that	such documents are included in the fields s	carched	
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)				
C. DOCUM	IENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the r	elevant passages	Relevant to claim No.	
X	ONCOGENE (1992), 7(12), 2439-45 (ONCNES;ISSN: 0950-9232, 1992, XP002002165 REYNOLDS, ALBERT B. ET AL: "P120 substrate of protein tyrosine kin receptors and of p60v-src, is recadherin -binding factors.betaplakoglobin and armadillo" cited in the application see abstract see page 2439, right-hand column paragraph 3 - page 2441, left-hand paragraph 3 see page 2444, left-hand column, 2	O, a novel nase lated to catenin, nd column,	1,3-7,12	
X Furt	her documents are listed in the continuation of box C.	Patent family members are listed t	n annex.	
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6	May 1996	10. 05. 96		
Name and i	mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl,  Fax (+ 31-70) 340-3016	Authonzed officer  Montero Lopez, B	·	

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tegory *	Otation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
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	AKIRA NAGAFUCHI ET AL.: "The 102 kd		
	Cadherin-associated protein: Similarity to		
	vinculin and posttranscriptional		
	regulation of expression"		
	cited in the application		
	see the summary		
	see page 849, right-hand column, last		
	paragraph - page 850, left-hand column, paragraph 1		
	see page 851, left-hand column, paragraph		
	2 - paragraph 3; figure 3		
	see page 853, left-hand column, paragraph		
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	protein, a major constituent of desmosomes		
	from stratified epithelia, is a novel		
	member of the armadillo multigene family"		
	see the summary		
	see page 2262, left-hand column, paragraph	į	
	2 - page 2267, left-hand column, paragraph		
	2		
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	PROCEEDINGS OF THE NATIONAL ACADEMY OF		8
	SCIENCES OF USA,		
	vol. 87, no. 9, May 1990, WASHINGTON US,		
	pages 3328-3332, XP002002168		
	STEVEN B. KANNER ET AL.: "Monoclonal	ļ	
	antibodies to individual		
	tyrosine-phosphorylated protein substrates		
	of oncogene-encoded tyrosine kinases"	ļ	
	cited in the application	İ	
	see abstract	1	
	see page 3328, right-hand column,	ĺ	
	paragraph 2	İ	
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V-ational Application No FLT/GB 95/02686

· <u>·</u>	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category *	Otation of document, with indication, where appropriate, of the relevant passages	Resevant to Claim No.
P,X	J. CELL BIOL. (1995), 130(2), 368-81 CODEN: JCLBA3;ISSN: 0021-9525, 1995, XP002002169 STADDON, JAMES M. ET AL: "P120, a p120 -related protein (p100), and the cadherin / catenin complex" see abstract see page 370, left-hand column, paragraph 3 see page 371, right-hand column, last paragraph - page 372, left-hand column, paragraph 1 see page 371, right-hand column, paragraph 2 - page 374, right-hand column, paragraph 2 see page 379, left-hand column, last paragraph - page 380, right-hand column, paragraph 2	1,2,6,7,
P,X	MOLECULAR AND CELLULAR BIOLOGY, vol. 14, no. 12, December 1994, WASHINGTON US, pages 8333-8342, XP000561742 ALBERT B. REYNOLDS ET AL.: "Identification of a new catenin: the tyrosine kinase substrate p120cas associates with E-cadherin complexes" see abstract see page 8334, right-hand column, last paragraph - page 8336, left-hand column, paragraph 1 see page 8341, left-hand column, paragraph 3	6

International application No.

PCT/GB95/02686

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This inte	ernational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
- c	claims 1-5,12 and, partially, 6-11 claims 6-11 partially
	- see next sheet -
1. X	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searches without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
`3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark or	The additional search fees were accompanied by the applicant's protest.  X No protest accompanied the payment of additional search fees.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/210

- Protein P100, nucleic acid encoding it, vector and host cell containing the same, uses thereof and agent blocking its association to the catenin/cadherin complex
- Use of protein P120 for studying cell-cell adhesion and agent blocking the association of P120 with the catenin/cadherin complex